

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-24 09:38:16

Date of Next Testing: 2029-05-23 09:38:16

Product Name: **Sodium Alginate**

CAS Number: 9005-38-3

Specifications & Purity: PharmPure™, USP, Ph.Eur., NF

Lot #: E2515704

SKU #: **S498293**

Version: **1**

Analysis #: **504118**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Assay (dried base, NF)	90.8-106.0 (%)	99.20000 %
Arsenic(As)	0-1.5 (ppm)	0.52600 ppm
Lead(Pb)	0-10 (ppm)	1.52600 ppm
Loss on drying	0-15 (%)	9.91000 %
Total Ash (dried basis)	18.0-27.0 (%)	24.70000 %
Viscosity (*Brookfield LVT, spindle no. 2/3, 60 rpm, 10% sol. 20°C)	300-700 (mPa·S)	465.00000 mPa·S
Calcium(Ca)	0-1.5 (%)	0.95000 %
Sulfated ash(on dried substance)	30.0-36.0 (%)	30.52000 %
TAMC (Total Aerobic Microbial Count , NF, Ph. Eur)	≤200 (%)	173.00000 cfu/g
TYMC (Total Yeast and Mold Count , Ph. Eur)	≤100 (cfu/g)	76.00000 cfu/g
Particle size ≤250 um	99-100 (%)	99.01000 %
Chloride (Cl-)	0-1 (%)	0.81000 %
Appearance(S498293)	White or pale yellowish-brown powder	White or pale yellowish-brown powder
Escherichia coli (Absent in 1 g)	Pass	Pass
Salmonella (Absent in 10 g)	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Dissolve 0.2 g with shaking in 20 mL of water R. To 5 mL of this solution add 1 mL of calcium chloride solution R. Avoluminous gelatinous mass is formed	Pass	Pass
Appearance of solution (Ph. Eur.)	Complies	complies



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager